

AMBULATORY SURGICAL CENTERS' UTILIZATION REPORT, INDIANA, 2005

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Introduction

On a quarterly basis, the Indiana State Department of Health requests licensed ambulatory surgical centers to describe their resources, utilization, and outcome from the surgical procedures. This report summarizes the information for calendar year 2005.

Characteristics of Ambulatory Surgical Centers

As of December 31, 2005, there were 130 ambulatory surgical centers in Indiana, located in 31 of the 92 counties. The majority of these centers have the following characteristics

CHARACTERISTICS OF CENTERS	STATEWIDE STATISTICS
Number of surgical centers	130
Percent of centers in urban counties of Indiana	98.4%
Percent of for-profit corporations	98%
Average number of operating rooms	3.3

These centers are established, equipped, and operated primarily for the purpose of performing needed medical surgical procedures and services. These centers are an alternative source of surgery performed in hospital-based outpatient operating rooms.

In 2005, there were a total of 2,616 full-time equivalent employees employed by the centers in fiscal year 2005. This total included 459 MDs and other practitioners; 1,240 RNs and LPNs, 292 surgical technicians, and 625 other employees.

Annual Utilization Statistics

In 2005, physicians, dentists, or podiatrists performed 520,248 procedures on 417,429 patients in 130 centers. Each surgical center performed an average of 333 procedures every 30 days.

It is estimated that this surgical volume represented 39 percent of all outpatient surgeries performed. In Calendar Year 2005, the Indiana Hospital and Health Association determined that physicians in hospital-based outpatient operating rooms performed 812,535 procedures. The remaining one percent of surgeries is performed in offices of independent physician practices.

The ambulatory surgical centers serve three distinct patient populations: the middle-aged population seeking assistance with digestive problems, the elderly seeking removal of cataracts and all other patients seeking general outpatient surgical care.

CHARACTERISTICS OF PATIENT POPULATION	STATEWIDE PERCENT
Percent of Females	55.7%
Percent of Patients aged 1 to 17 years	6.9%
Percent of Patients aged 18 to 64 years	56.4%
Percent of Patients aged 65 years and older	36.7%

The number of operating rooms, total annual procedures, and principal surgical focus by center is shown in Table A. The trend line on the growth of centers and procedures is shown below:

	2003	2004	2005
Total Ambulatory Surgery Centers	119	125	130
Total Procedures	444,368	497,054	520,248

In 2005, the majority of these centers focused on performing procedures on the eye and the digestive system. The most frequent surgical procedure groups filed in quarterly reports are seen below.

NAME OF MOST FREQUENT PROCEDURE GROUPS	CPT CODE	# OF ASCs	NUMBER OF PROCEDURES	AVERAGE PER CENTER
Integumentary (Skin) System	10040-19499	21	6,596	314
Musculoskeletal System	20000-29909	40	21,353	514
Respiratory System	30000-32999	14	4,738	338
Digestive System	40490-49999	57	132,823	2,324
Urinary System	50010-53899	9	5,200	577
Genital System	54000-58999	18	7,157	396
Nervous System	61000-64999	49	50,437	946
Eye and Ocular System	65091-68999	61	81,810	1,338
Auditory System	69000-69999	26	11,402	427
Cardiac Catheterization	93501-93572	7	7,178	1,025
	Other	-	191,554	-
Total Of All Reported Procedures	Total		520,248	

1. Procedure codes are abstracted from the AMA Physician Current Procedural Terminology (CPT-4).
2. The number of the 50 most frequent procedure groups by CPT diagnostic category in the state for all centers is seen on Table B.

Outcome from Surgery

Patients are referred to a surgical center based on recommendations from their health care provider. Most patients arrive with low risk for surgery and have no prior chronic problem that may interfere with the new procedure. Most patients are treated within two or three hours and discharged to family members under the care of their family physician.

A small percent of these patients do expect limited problems after the operation, and are referred to an acute care hospital for treatment of stable or unstable medical conditions. The percent of inpatient transfer is higher with patients with existing cardiac or acute problems seen prior to surgery.

OUTCOMES FROM SURGICAL PROCEDURES	STATEWIDE STATISTICS
Number of patients transferred to a hospital with stable medical conditions.	1,299 of 520,248 patients
Number of patients transferred to a hospital with unstable medical conditions	177 of 520,248 patients
Number of patients with a post-surgical wound infection	270 of 520,248 patients
Number of patients who stayed over 24 hours	70 of 520,248 patients
Number of patient deaths	2 Deaths
Percent of patients with no other medical problems other than need for surgery	49.0 %
Percent of patients with an other chronic (mild) systemic disease prior to surgery	37.5%
Percent of patients with an other acute (severe) systemic disease prior to surgery	13.5%

It is recommended that individuals considering outpatient surgery discuss the need with their physician, discuss coverage with their insurance representative, and notify the surgeon of any prior conditions prior to arrival at the surgical center.

TABLE A
SUMMARY OF KEY RESOURCES AND UTILIZATION, 2005
AMBULATORY SURGICAL CENTERS, INDIANA

NAME OF CENTER	COUNTY NAME	# OF OPERATING Procedure ROOMS	KEY PROCEDURAL SPECIALIZATION	TOTAL 2005 PROCEDURES
Advanced Surgery Center	Tippecanoe	5	Eye	2,933
Aesthetic Surgery Center	Hamilton	3	Plastic	614
Akin Medical Center	Floyd	2	Allergy	823
Allied Physician Surgery Center	St Joseph	10	General	16,320
Ambulatory Surgery Center at	Johnson	2	Eye	2,937
APAC Surgery Center II	Lake	1	Pain	1,395
Beltway Surgery Centers	Marion	9	General	9,278
Bloomington Endoscopy Center	Monroe	2	Digestive	5,686
Bloomington Surgery Center	Monroe	2	Eye	3,823
Calumet Surgery Center	Lake	4	General	4,612
Care Labs	Marion	1	General	872
Carmel Ambulatory Surgery	Hamilton	7	General	8,516
Center for Special Surgery	Marion	1	Pain	1,234
Centers for Pain Management	Lake	2	General	2,319
Central IN Laser & Surgery	Howard	2	Eye	935
Central IN Orthopedic Surgery	Delaware	2	Orthopedics	3,436
Central Indiana Surgery Center	Marion	3	Eye	1,378
Chandana Surgery Center	Porter	3	General	2,427
CLI Surgery Center	Allen	3	Eye	1,536
Columbus Eye Surgery Center	Bartholomew	1	Eye	1,319
Columbus Pain Center	Bartholomew	1	Pain	73
Columbus Surgery Center	Bartholomew	3	General	3,495
Community Cnt Digestive Care	Madison	2	Digestive	1,943
Community Surgery Center	Lake	8	General	10,385
Digestive Health Center	Hamilton	2	Digestive	3,889
Eastern IN Cnt for Ambulatory	Wayne	3	General	7,118
Elkhart Clinic Endoscopy	Elkhart	5	General	6,025
Endolabs	Porter	2	Digestive	2,317
Endoscopy Center	Hamilton	2	Digestive	2,914
Endoscopy Center	Marion	3	Digestive	7,229
Evansville Deaconess	Vanderburgh	7	General	6,280
Evansville Newburgh Center	Warrick	5	General	3,588
Eyecare Consultants Surgery Cnt	Vanderburgh	2	Eye	1,798
Foot & Ankle Surgery Center	Marion	2	Podiatry	1,721
FW Cardiology Cath	Allen	1	Cardiology	904
FW Endoscopy Center	Allen	3	Digestive	3,938

CENTER NAME	COUNTY	# OF ORs	SPECIALTY	# PROC.
FW Ophthalmic Surgery Center	Allen	3	Eye	3,174
FW Orthopaedics Surgicenter	Allen	5	General	7,353
Franciscan Cardiovascular Lab	Marion	1	General	272
Franciscan Surgery Center	Marion	6	General	7,706
Gastrointestinal Endoscopy Cnt	Vanderburgh	3	Digestive	6,461
Goshen Ambulatory Care Center	Elkhart	4	General	3,463
Grand Park Surgical Center	Lake	2	General	974
Grossnickle Eye Surgery Center	Kosciusko	2	Eye	5,565
Healthpartners Med Gp Surgery	Laporte	2	Digestive	2,275
IMA Endoscopy Surgicenter	Lake	1	Digestive	3,078
IN Surgery Center Noblesville	Hamilton	4	General	6,088
Indiana Surgery Howard	Howard	5	Howard	6,362
Indiana Surgery Center North	Marion	8	General	10,986
IN Surgery Cnt 16 th Street	Marion	7	General	9,850
Indiana Surgery South Campus	Marion	4	General	6,604
Indianapolis Endoscopy Center	Marion	2	Digestive	9,227
John Kenyon Surgery For Eye	Clark	2	Eye	1,477
KK & A Surgery Center	Floyd	4	Orthopedics	2,628
Lafayette Amb Surgery Center	Tippecanoe	2	General	669
Lafayette Cath Lab	Tippecanoe	1	Cardiology	1,768
Lake Park Surgicare	Lake	6	General	6,423
Lakeside Surgery Center	Lake	2	General	2,996
Laser & Skin Surgery Center	Hamilton	2	Dermatology	842
Marion Surgicenter	Grant	2	General	1,903
Medical Consultants Endoscopy	Delaware	2	Digestive	5,101
Meridian Endoscopy Center	Marion	4	Digestive	5,898
Meridian Endoscopy West	Hendricks	3	Digestive	1,349
Meridian Plastic Surgery Center	Marion	2	Plastic	2,174
MGFW Surgery Center	Allen	2	Digestive	1,202
Michiana Endoscopy Center	St Joseph	4	Digestive	9,010
Mid-America Surgery Center	Delaware	2	General	4,455
Midwest Surgery Center	Vigo	3	General	1,940
Mooresville Endoscopy Center	Morgan	2	Digestive	2,301
Muncie Ambulatory Surgicenter	Delaware	2	Eye	3,286
Muncie Cataract and Laser Eye	Delaware	2	Eye	1,225
Munster Same Day Surgery Cnt	Lake	4	General	3,338
Naab Road Surgery Center	Marion	7	General	6,586
North Central Health Services	Tippecanoe	2	General	469
North Meridian Surgery Center	Hamilton	3	General	2,516
Northeast IN Endoscopy Center	Allen	3	Digestive	7,702
Northside Cardiac Cath Lab	Marion	1	Cardiology	3,963
Northside Gastroenterology Endo	Marion	4	Digestive	9,030

CENTER NAME	COUNTY	# of ORs	SPECIALITY	# PROCED.
Novamed Pain Management	Floyd	2	Pain	1,457
Novamed Eye New Albany	Floyd	2	Eye	4,006
Novamed Eye Merrillville	Lake	2	Eye	2,046
Oakview Surgery Center	Fulton	1	Podiatry	206
OSMC Outpatient Surgery Center	Elkhart	3	General	5,532
Premier Surgery Center	Allen	6	General	6,145
Richmond Cataract & Laser	Wayne	2	Eye	368
Richmond Surgery Center	Wayne	5	General	4,383
River View Surgery Center	Grant	9	General	1,482
Riverpointe Cardiovascular Lab	Elkhart	1	Cardiology	324
Riverpointe Surgery Center	Elkhart	6	General	5,579
Sagamore Surgical Service	Tippecanoe	2	General	1,988
South Bend Clinic & Surgicenter	St Joseph	2	General	3,671
South Central Surgery Center	Johnson	4	General	872
South Emerson Surgery Center	Marion	3	Orthopedics	646
Southeast Surgery Center	Marion	3	Pain	5,155
Southern Indiana Endoscopy	Floyd	3	Digestive	5,157
Southern Indiana Surgery Center	Monroe	6	General	8,377
Southwest Surgical Suites	Allen	3	Plastic	1,962
Spring Mill Surgery Center	Hamilton	9	General	2,730
St Charles Surgical Pavilion	St Joseph	1	General	2,422
St Mary's Freestanding Cath	Vanderburgh	1	Cardiology	382
Sullivan Surgicenter	Sullivan	2	General	866
Surgery Center Pain Southern	Monroe	2	Pain	4,713
Surgery Center Eye Specialty	Marion	2	Eye	5,307
Surgery Center (Hand)	Marion	5	Orthopedics	10,606
Surgery Center of Princeton	Gibson	3	General	861
Surgery Center of Indianapolis	Marion	5	General	7,418
Surgery Center of Ophthalmology	Allen	3	Eye	1,074
Surgery Center Southeastern IN	Decatur	4	General	1,083
Surgery Center Plus	Marion	4	General	2,235
Surgery Center (Allen)	Allen	2	Digestive	6,061
Surgery One	Allen	5	Orthopedics	8,489
Surgical Care Center	Marion	3	General	4,053
Surgical Center of New Albany	Floyd	4	General	3,545
Surgicare LLC	Monroe	2	General	4,149
Surgicare @ Cross Pointe	Vanderburgh	4	General	5,240
Surgicare Outpatient Surgery Cnt	Vanderburgh	5	General	8,633
Sycamore Springs Surgery Center	Marion	3	General	2,897
Terre Haute Heart Center Cath	Vigo	1	Cardiology	434
Tower Specialty Surgery	Wayne	2	General	1,254
Unity Surgical Arts	St Joseph	12	General	1,926
Unity Surgery Center	Tippecanoe	7	General	12,160

CENTER NAME	COUNTY	# of ORs	SPECIALITY	# PROCED.
Valley Surgery Center	Vanderburgh	3	Eye	2,714
Vincennes Surgery Center	Knox	3	General	1,672
Vision SC Springhill	Clark	2	General	2,737
Wabash Valley Eye Surgery	Knox	2	Eye	1,696
Welborn Clinic Surgery	Vanderburgh	3	General	9,472
Whitewater Valley Surgery Cnt	Montgomery	1	General	1,746
Williams Eye Surgery Center	Lake	2	Eye	1,460
Women's Physician Surgery	Marion	5	General	12,520
Woodlawn Healthcare	LaPorte	4	General	6,004
Subtotal 130 ASCs	(31)	(431)	-	520,248

PATIENTS AND PROCEDURES BY PUBLIC HEALTH DISTRICT

PUBLIC HEALTH DISTRICTS ¹	LARGEST CITY IN DISTRICT	TOTAL ASC PATIENTS	TOTAL ASC PROCEDURES
One	Gary	42,496	52,049
Two	South Bend	43,971	57,618
Three	Fort Wayne	48,913	57,255
Four	Lafayette	12,376	19,987
Five	Indianapolis	144,507	181,895
Six	Muncie	37,047	43,515
Seven	Terre Haute	2,087	3,240
Eight	Bloomington	25,601	31,640
Nine	Clarksville	17,270	21,830
Ten	Evansville	43,161	51,229
State	Subtotal	417,429	520,248

Note:

1. A map of Indiana Public Health Districts can be found at <http://www.in.gov/isdh/healthinfo/districts.htm>

TABLE B
NUMBER OF 50 MOST FREQUENT PROCEDURE CODES*
BY CURRENT TERMINOLOGY DIAGNOSTIC CATEGORY,
AMBULATORY SURGICAL CENTERS, INDIANA, 2005

ANATOMICAL SYSTEM	CPT CODE	PROCEDURE DESCRIPTION	# CASES
Skin	19120	Excision of cyst or breast tissue (44)	579
10040-19499	19325	Mammoplasty with implant (26)	965
	Other		5,052
	Subtotal	Of Procedures of Integumentary System	6,596
Muscles	25310	Transplant forearm tendon (46)	538
20000-29909	25447	Repair wrist joint (s) (47)	502
	26055	Tendon Sheath (19)	1,323
	27096	Injection in Sacroiliac joint (37)	701
	28285	Hammertoe operation (25)	970
	29826	Arthroscopy with acromioplasty (17)	1,727
	29827	Arthroscopy for acromioplasty (38)	674
	29877	Chondroplasty (49)	464
	29880	Arthroscopy mesiscectomy and lateral (48)	499
	29881	Arthroscopy with meniscectomy (11)	5,463
	29870	Knee Arthroscopy, dx (43)	1,072
	Other		7,420
	Subtotal	Of Procedures of Musculoskeletal System	21,353
Respiratory	30140	Submucous resection turbinate (29)	904
30000-32999	30520	Septoplasty or submucous resection (18)	1,339
	31255	Endoscopy with ethmoidectomy (50)	444
	Other		2,051
	Subtotal	Of Procedures of Respiratory System	4,738
Digestive	42820	Tonsillectomy (12)	4,735
40490-49999	42830	Adenoidectomy (35)	747
	43239	Upper gastrointestinal with biopsy (3)	22,662
	43248	Gastrointestinal endoscopy tube (14)	2,094
	43249	Esoph Endoscopy dilation (33)	768
	45378	Colonoscopy, flexible (2)	40,198
	45380	Colonoscopy with biopsy (5)	16,604
	45383	Sigmoidoscopy diagnostic (31)	870
	45384	Colonoscopy to remove tumor (10)	5,584
	45385	Colonoscopy to snare/remove tumor (4)	19,202
	47562	Cholecystectomy excision (16)	1,795
	49505	Repair of inguinal hernia (30)	876
	Other		16,688
	Subtotal	Of Procedures on Digestive System	132,823

SYSTEM	CPT	PROCEDURE DESCRIPTION	# CASES
Urinary	50590	Lithotripsy, extracorporeal shock (21)	1,112
50010-53899		Other	4,088
	Subtotal	Of Procedures on Urinary System	5,200
Genital	58558	Hysteroscopy surgical (15)	1,912
54000-58999	58563	Hysteroscopy with endometrial ablation (27)	920
	58662	Laparoscopy with excision of lesion (41)	663
	58670	Laparoscopy (23)	1,008
	58970	Follicle puncture for oocyte retrieval (36)	709
	Other		1,945
	Subtotal	Of Genital System	7,157
Nervous	62290	Injection for diskorgraphy (35)	757
61000-64999	64472	Injection aesthetic agent (20)	1,226
	64721	Neuroplasty to carpal tunnel (8)	6,254
	Other		42,200
	Subtotal	Of Procedures on Nervous System	50,437
Eye	65855	Trabeculoplasty (24)	982
65091-68899	66761	Iridoplasty by photocoagulation (40)	670
	66821	YAG Laser on lens capsule (6)	16,122
	66824	Repositioning lens prosthesis (28)	916
	66982	Cataract surgery complex (32)	835
	66984	Extracapsular Cataract Removal (1)	50,918
	66999	Anterior segment of eye (13)	4,193
	67210	Retina Photocoagulation (45)	559
	67311	Strabismus Surgery (42)	627
	67904	Repair eyelid Defect (39)	670
	Other		5,318
	Subtotal	Of Procedures on Eye and Ocular System	81,810
Auditory	69436	Tympanostomy (7)	11,222
69000-69999	Other		180
	Subtotal	Of Procedures on Auditory System	11,402
Catheterization	93510	Left Heart Catheterization (9)	5,863
93501-93572	93526	Right Heart Catheterization (57)	395
	Other		920
	Subtotal	Of Cardiac Catheterization Procedures	7,178
All Other Procedures			191,554
TOTAL	Of	All REPORTED PROCEDURES	520,248

* Note: Removed procedures from top 50 list that were listed as Payment Group 1 in the May 5, 2005 Federal Register.